

Title (en)
METHOD AND APPARATUS FOR CONTROLLING VARIABLE PITCH OF WIND-DRIVEN GENERATOR SET UNDER EXTREME TURBULENT WIND CONDITIONS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR STEUERUNG DES NEIGUNGSWINKELS EINER WINDTURBINE BEI WINDVERHÄLTNISSEN MIT EXTREMEN TURBULENZEN

Title (fr)
PROCÉDÉ ET APPAREIL DE COMMANDE DE PAS VARIABLE D'ENSEMBLE GÉNÉRATEUR ÉOLIEN DANS DES CONDITIONS EXTRÊMES DE VENT TURBULENT

Publication
EP 3524810 A1 20190814 (EN)

Application
EP 18782868 A 20180409

Priority
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Abstract (en)
Provided are a method and an apparatus for controlling a pitch of a wind turbine under an extreme turbulence wind condition. The method includes: obtaining a first pitch parameter for a current time; obtaining a historical second pitch parameter in a predetermined time period before the current time; determining an updated threshold based on the obtained historical second pitch parameter; comparing the first pitch parameter for the current time with the determined updated threshold; and updating the first pitch parameter for the current time based on a result of the comparison.

IPC 8 full level
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CPC (source: CN EP US)
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Cited by
CN112594128A; EP3926163A1; US11313354B2; US11208984B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
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EP 3524810 A1 20190814; EP 3524810 A4 20190814; EP 3524810 B1 20210526; AU 2018241181 A1 20190718; AU 2018241181 B2 20191003; CN 109973301 A 20190705; CN 109973301 B 20200724; ES 2885248 T3 20211213; US 11208984 B2 20211228; US 2021199087 A1 20210701; WO 2019127975 A1 20190704

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EP 18782868 A 20180409; AU 2018241181 A 20180409; CN 201711457552 A 20171228; CN 2018082372 W 20180409; ES 18782868 T 20180409; US 201816090173 A 20180409